

18

CA

Sulfide method for regeneration of silver nitrate in laboratory waste. N. N. Lapin. *Zhur. Anal. Khim.* 4, 369-70(1949).—Lab. wastes collg. Ag are treated with excess HCl. The ppt. is washed with dil. HCl, then with H<sub>2</sub>O, added to an excess of freshly prep'd. Na<sub>2</sub>S or (NH<sub>4</sub>)<sub>2</sub>S soln., and the whole is heated for 40-50 min. with continuous stirring or kept overnight. The resulting Ag<sub>2</sub>S is filtered off, washed, dissolved in a small vol. of HNO<sub>3</sub>, the soln. is concd. by evapn., and AgNO<sub>3</sub> is made to crystallize. M. Hoseh

SOV/137-58-8-18123

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 273 (USSR)

AUTHORS: Lapin, N. N., Prilutskaya, N. S.

TITLE: Rapid Method of Determination of Arsenic in Cast Iron and Carbon Steels (Uskorennyy metod opredeleniya mysh'yaka v chugunnykh i uglerodistykh stalyakh)

PERIODICAL: Sb. nauchn. tr. Zhdanovsk. metallurg. in-t, 1957, Nr 4, pp 216 - 221

ABSTRACT: The method of determination of As is based on the combination of the process of dissolution of the specimen and the simultaneous distillation of  $\text{AsCl}_3$  into a receiving vessel where it is titrated with  $\text{KMnO}_4$  in the presence of  $\text{Sb}^{3+}$ . Into the distillation flask 30 g of  $\text{FeCl}_3$ , 5 - 7 g of cuprous chloride, 2 - 3 g of the iron (steel) are introduced, 15 cc of concentrated HCl are added, the mixture is heated, and after 10 - 15 min 15 cc of HCl are added, continuing the distillation for 25 - 35 min. 5 min before the completion of the distillation 10 more cc of HCl are added. The  $\text{AsCl}_3$  is absorbed by ice water. To the distillate are added a known amount of  $\text{Sb}^{3+}$  sulfate, 50 cc of  $\text{H}_2\text{SO}_4$  (1:2), and 2 drops of methyl orange. It is

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**Rapid Method of Determination of Arsenic in Cast Iron and Carbon Steels**

then titrated with  $\text{KMnO}_4$ . The calculation is done by the formula, %As =  $(V \cdot T - A) \cdot 100/a$ , where a is the weight of the specimen; V is the number of cc of the solution of  $\text{KMnO}_4$  used in the titration; T is the titer of the  $\text{KMnO}_4$  solution expressed in As; A is the amount of As corresponding to the solution of  $\text{Sb}^{3+}$  sulfate added. The error of determination of As in the standard specimens Nrs 199, 64, and 57 using 1 - 2-g samples constituted 0.22 - 3.10%. Iodometric determination is possible only with the use of refined Na bicarbonate.

Z. G.

1. Cast iron--Test methods    2. Steel--Test  
methods    3. Arsenic--Determination

Card 2/2

LAPIN, N.N.

AUTHORS: Lapin, N.N., Sljusarev, A.T. 32-12-13/71

TITLE: The Determination of Metanitrobenzoic Acid in the Electrolytic at  
Lead Extraction from Waste Opredeleniye metanitrobenzoynoy  
kisloty v elektrolyte pri snyatii slova s stikhodov).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 25, Nr 12, pp. 1430-1432 (USSR)

ABSTRACT: For the regeneration of lead from waste products an electrolytical method is used (in the USSR), in which a 5% solution of NaOH with ~2,5% of the metanitrobenzoic acid serves as an electrolyte. As in this case the disturbing influence of this electrolyte must be taken into account, the endeavor is made in this paper to find the most satisfactory form of employing the method mentioned. For this purpose it is recommended that the oxidizing-regenerating reaction between bivalent lead and metanitrobenzoic acid be carried out quantitatively in the basic medium. The comparatively larger dose of the solution of bivalent lead salt is here added to the lye solution. After the end of the reaction the lead is de-titrated in the acid medium by iodine. In order to be able to secure a quantitative development of the reaction, the solution is heated up to 90-95°. In order to avoid reaction with the air, the operations are carried out in

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The Determination of Metanitrobenzoic Acid in the Electrolyte  
at Lead Extraction from Waste

32-12-13/71

this case in a hydrogen atmosphere, and the hydrochloric acid solution of  $\text{SnCl}_2$  must be preserved under the shelter of this atmosphere. In order to replace the air in the titration retort, it is recommended first to fill the retort with water and then to introduce the hydrogen into the retort through the bent glass tube in the cork, by which the water is forced out of the retort. Otherwise, hydrogen must pass through the retort continuously. The analysis is described. Results are shown in 2 tables. There are 2 tables and 1 Slavic reference.

ASSOCIATION: Zhdanov Metallurgical Institute (Zhdanovskiy metallurgicheskiy institut).

AVAILABLE: Library of Congress

Card 2/2      1. Lead regeneration-Electrolytical processes

DYADICHEV, N.R.; LAPIN, N.N.

Epidemiological investigation of a typhoid fever outbreak; author's résumé. Zhur.mikrobiol., epid. i immun. 32 no.10:133-134 O '61.  
(MIRA 14:10)

1. Iz kafedry epidemiologii Stalinskogo meditsinskogo instituta.  
im. Gor'kogo.

(TYPHOID FEVER)

LAPIN, N.N.

Infectious hepatitis (Botkin's disease) in medical and sanitary personnel. Zhur. mikrobiol., epid. i immun. 33. no.12 81-84. D '62.  
(MIR 16:5)

1. Iz kafedry epidemiologii Donetskogo meditsinskogo instituta.  
(HEPATITIS, INFECTIOUS)  
(MEDICAL PERSONNEL—DISEASES AND HYGIENE)

LAPIN, N.N.

Epidemiology of infectious hepatitis (Botkin's disease) in  
children. Pediatrilia 42 no.9:88 S'63. (MIRA 17:5)

1. Iz kafedry epidemiologii (zaveduyushchiy - dotsent A.Ye.  
Shteynbakh) Donetskogo meditsinskogo instituta.

DENISOV, K.A.; LAPIN, N.N.

Epidemiological characteristics of an outbreak of Coxackie virus infection. Zhur. mikrobiol., epid. i immun. 41 no.10: 141-142 '64. (MIRA 18:5)

1. Donetskij meditsinskiy institut.

LAPIN, N.N.

Secondary morbidity with infectious hepatitis in apartmental foci.  
Sov. med. 28 no.1:147-152 Ja '65. (MIRA 16<sup>2</sup>5)

1. Kafedra epidemiologii (zav. - dotsent A.Ye.Shteynbakh) Donetskogo  
meditsinskogo institut 'menisGor'kogo.

LAPIN, O. F.

LAPIN, O.F.; KRUSHCHEV, M.S.; GORODINSKAYA, Ye.A.; KOCHERGINSKIY, M.M.  
TELYANKEVICH, V.S.; SHARFMAN, S.D.; OSTANOV, Kh.

Improving the smelting of boron carbide. Prom.energ. 12 no.8:17-18  
Ag '57. (MIRA 10:10)  
(Boron carbides) (Smelting)

KONDRATOVICH, N. YE.; LAPIN, P.A.

Saws

Preparation of disc saws for high speed cutting.,  
Les. prom. 12, no. 1, 1952

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

LAPIN, P.I., kand.biolog.nauk

A congress on fruit culture. Vest. AN SSSR 33 no.3:121-122  
Mr '63. (MIRA 16:3)  
(Fruit culture--Congresses)

LAPIN, P. I.

Montazh i remont oborudovaniia derevoobrabatyvaiushchikh predpriatii. Utverzhdeno v kachestve uchebn. posobia dlia lesotekhn. vuzov Moskva, Goslestekhnizdat, 1948. 251 p. illus. Bibliography: p. 248-(249)

Assembling and repairing the equipment of woodworking enterprises.

DLC: TS850.L3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

LAPIN, F. I.

25646 LAPIN, F. I.

Strogal'nyye pily.  
Les, prom-st', 1948, No. 6, s. 15-18.

SO: Letopis' Zhurnal'nykh Statey, No. 30, Moskva, 1948

LAPIN, P. [1.]

Forests and Forestry - Safety Measures

What's new in competition in forestry protection. Les. khoz. 5 no. 9, 1952

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

LAPIN, P.I.; PAZYUK, I.G., redaktor.

[Principles of high-speed sawing with circular saws] Osnovy  
skorostnogo pileniya na stankakh s kruglymi pilami. Moskva,  
Goslesbumizdat, 1953. 111 p. (MLRA 7:3)  
(Circular saws)

LAPIN, P.I., kandidat tekhnicheskikh nauk.

Rapid wood cutting. Der. i lesokhim.prom. 3 no.3:3-8 Mr '54.  
(MLRA 7:3)

1. Arkhangel'skiy ordena Trudovogo Krasnogo Znameni lesotekhnicheskii institut im. V.V.Kuybysheva. (Woodworking machinery)

LAPIK, P. I.

LAPIK, P. I.= "The principles of high-speed cutting on machines with circular saws." Min Higher Education USSR. Novosibirsk Order of Lenin Forestry Engineering Academy Imeni S. M. Kirov. Akadem.-zel'sk, 1955. (Dissertations for the Degree of Doctor in Technical Sciences).

SD: Knizhnyys Letopis' No. 32, 1956

LAPIN, P.I.

More about the hammering of circular saws. Der. prom. 6 no.10:11-13  
0 '57. (MIRA 10:11)

1. Arkhangel'skiy lesotekhnicheskiy institut.  
(Saws)

LAPIN, Petr Ivanovich; BERSHADSKIY, A.L., red.; FEDOROV, B.M., red.  
Izd-va; PAHAKHINA, N.L., tekhn.red.

[Hydraulic transmissions for woodworking machinery and their  
use] Gidroprivod derevoobrabatyvaiushchikh stankov i ego  
ekspluatatsiiia. Moskva, Goslesbumizdat, 1960. 66 p.  
(MIRA 13:7)

(Oil hydraulic machinery) (Woodworking machinery)

LAPIN, P.I.; KONDRATOVICH, N.Ye.; YUR'YEV, Yu.I.; ANTSIFEROVA, T.S.; GERNET, G.M.; POTOLOVSKIY, N.I., red.; MEL'NIKOVA, M.S., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Manual on the assembly, operation, maintenance and repair of the equipment of sawmills and woodworking enterprises] Spravochnik po montazhu, ekspluatatsii i remontu oborudovaniia lesopil'nykh i de-revoobrabatyvaiushchikh predpriiatii. Moskva, Goslesbumizdat, 1961.  
(MIRA 14:11)

443 p.  
(Woodworking machinery) (Sawmills—Equipment and supplies)

LAPIN, P.I.

Automatic PFL-1 flattening and filing machine. Der.prom. 10  
no.12:11-12 D '61. (MIRA 14:12)

1. Arkhangel'skiy lesotekhnicheskiy institut im. V.V.Kuybysheva.  
(Saw filing)  
(Automatic control)

LAPIN, Petr Ivanovich; BOROVIKOV, Ye.M., red.; LEBEDEVA, I.D.,  
red.izd-va; VDOVINA, V.M., tekhn.red.

[Organizing the preparation for use and operation of  
instruments at sawmills]Organizatsiia instrumental'nogo  
khoziaistva na lesopil'nykh zavodakh. Moskva, Goslesbum-  
izdat, 1962. 153 p. (MIRA 16:3)  
(Sawmills—Equipment and supplies)

LAPIN, Petr Ivanovich; KONDRATOVICH, Nikolay Yemel'yanovich; YUR'YEV,  
Yuriy Ivanovich; ODINTSOVA, L.I., red.; MART'YANOVA, L.I.,  
tekhn. red.

[Design and use of modern frame saws] Konstruktsii i eksplu-  
atatsiia sovremennykh lesopil'nykh ram. Arkhangel'sk,  
Arkhangel'skoe knizhnoe izd-vo, 1962. 82 p.

(MIRA 16:12)

(Saws)

LAPIN, P.I.

Lapin, P.I. "Principles for arrangement of Dendria (Botanical Garden Board),"  
Byulleten' botan. sada, Issuel. 1948, p. 28-40

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

LAPIN, P. I.

22401. LAPIN. P. I. Opyt Dokumentatsii Rabot S Drevesnymi I Kustarnikovymi  
Rasteniyami. Byulleten' Glav. Botan. Sada, VYP. 2, 1949, S. 88-94

SO: Letopis' No. 30, 1949

1. LAPIN, P. I.
2. USSR (600)
4. Botanical Gardens - Congresses
7. Meeting of the heads of botanical gardens of the U.S.S.R. Les i step' 4 no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. LAPIN, P. I.
2. USSR (600)
4. Arboretums
7. Planning arboretums, Biul. Glav. bot. sada, No. 11, 1952.
8. *[Handwritten mark]*
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

LAPIN, P.I.

Unified record system for work in plant introduction. Biul.Glav.bot.  
sada no.15:50-66 '53. (MIRA 9:1)

1. Glavny botanicheskiy sad Akademii nauk SSSR.  
(Plant introduction)

LAPIN, P.I., kandidat biologicheskikh nauk.

Landscaping in the cities of the Netherlands. Gor.khoz. Mosk. 29  
no.11:35-37 N '55. (MIEA 9:3)  
(Netherlands--Landscape gardening)

LAPIN, P.I.

Spring flower show. Priroda 45 no.8:55-58 Ag '56. (MIRA 9:9)

1.Predsedatel' Dobrovolskogo obshchestva sodeystviya ozeleneniyu  
Moskvy.  
(Moscow--Flower shows)

LAPIN, P.I.

LAPIN, P.I.

Nikolai Kuz'mich Vekhov (1887-1956). Biul. Glav. bot. sada no.29:  
98-100 '57. (MIRA 11:1)  
(Vekhov, Nikolai Kuz'mich, 1887-1956)

LAPIN, P. I.

ЛАПИН, П.И., кандидат сельскохозяйственных наук.

Nursery for ornamental plants in the Netherlands. Gor. knoz. Mosk.  
31 no.7:35-38 J1 '57. (MLM 10:9)  
(Netherlands--Nurseries (Horticulture))

LAPIN, H.L.

MALYUTIN, N.I.; LAPIN, P.I.

Proliferation of inflorescences in daisies. Kiroda 46 no.3:128  
Mr '57. (MIRA 10:3)  
(Daisies)

LAPIN, P.I., kandidat biologicheskikh nauk.

Display achievements of German floriculturists. Priroda 46 no.9  
71-73 S '57. (MIRA 10:8)

1. Predsedatel' pravleniya Dobrovol'nogo obshchestva sodeystviya  
ozeleneniyu g. Moskvy.  
(Moscow--Flower shows) (Germany, East--Floriculture)

LAPIN, P.I.

Results of the work of construction and research carried out  
at the Main Botanical Garden of the Academy of Sciences of the  
U.S.S.R. Biul. Glav. sada no.31:3-11 '58. (MIRA 12:5)

1:Glavnnyy botanicheskiy sad AN SSSR.  
(Moscow--Botanical gardens)

LAPIN, P.I.

Friends of greenery. Gor. khoz. Mosk. 32 no.3:4-7 Mr '58.  
(MIRA 11:3)  
1. Predsedatel' Dobrovol'nogo obshchestva sodeystviya ozeleneniyu  
Moskvy.  
(Moscow--Landscape gardening)

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CIA-RDP86-00513R000928610015-9

LAPIN, P.I., kand.biol.nauk

City landscaping in France. Gor. khoz. Mosk. 32 no.9:32-35 S '58.  
(MIRA 11:9)

(Paris--Landscape gardening)

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CIA-RDP86-00513R000928610015-9"

LAPIN, P.I.; KOMAROV, I.A.; LEONOV, A.G.; MAZURKEVICH, F.S.; MAKAROV, S.N.; MARTEM'YANOV, P.B.; MOSUNOVA, D.I. [deceased]; SAKHAROV, I.M.; SIDNEVA, S.V.; TSITSIN, N.V., akademik, otv.red.; MAKAROV, S.N., red.izd-va; GUSEVA, A.P., tekhn.red.

[Trees and shrubs; results obtained in the Main Botanical Garden of the Academy of Sciences of the U.S.S.R.] Derev'ia i kustarniki; kratkie itogi introduktsii v Glavnem botanicheskem sadu Akademii nauk SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1959.  
(MIRA 12:10)  
190 p.

1. Moscow. Glavnyy botanicheskiy sad.  
(Trees) (Shrubs)

LAPIN, P.I.; PETROV, I.M., arkhitektor

Main Botanical Garden of the Academy of Sciences of the U.S.S.R.  
Gor. kholz. Mosk. 33 no.7:15-21 Jl '59. (MIRA 12:10)

1.Zamestitel' direktora po nauchnoy chasti Glavnogo botanicheskogo  
sada AN SSSR (for Lapin). 2.Avtor proyekta Glavnogo botanicheskogo  
sada (for Petrov). (Moscow--Botanical gardens)

IAPIN, P.I.

Introduction of trees and shrubs in Moscow. Biul. Glav. bot. sada  
no. 34:11-14 '59 (MIRA 13:3)

1. Glavnnyy botanicheskiy sad Akademii nauk SSSR.  
(Moscow--Trees) (Moscow--Shrubs)  
(Plant introduction)

TSITSIN, N.V., akademik, otv.red.; BREZHNEV, D.D., akademik, zamestritel'  
otv.red.; GORYUNOV, D.V., zamestritel' otv.red.; BYLOV, V.H., red.;  
GOLOVINSKAYA, K.A., kand.biolog.nauk; red.; KHLI, A.Ch., red.;  
LAPIN, P.I., red.; MAKHALIN, M.A., red.; OGOLEVETS, G.S., red.;  
FORTUNATOV, I.K., red.izd-va; VASINA-POPOVA, Ye.T., red.izd-va;  
GUS'KOVA, O.M., tekhn.red.

[Remote hybridization of plants and animals; problems in fruit  
culture, forestry, and animal breeding] Otdalennaia gibridi-  
zatsia rastenii i zhivotnykh; voprosy plesovodstva, lesovedstva  
i zhivotnovodstva. Moskva, Izd-vo Akad.nauk SSSR, 1960. 597 p.

(MIRA 13:5)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.  
Lenina. 2. Pervyy vitse-prezident Vsesovuznoy akademii sel'sko-  
khozyaystvennykh nauk imeni V.I.Lenina (for Brezhnev). 3. Institut  
biologicheskoy fiziki Akademii nauk SSSR i Vserossiyskiy nauchno-  
issledovatel'skiy institut prudovogo rybnogo khozyaystva, Moskva  
(for Golovinskaya).

(Hybridization)

LAPIN, P.I.; KOROVIN, S.Ye.

Botanical garden in Aburi (Ghana, Africa). Biul. Glav. bot. sada  
no. 38:109-111 '60. (MIRA 14:5)

1. Glavnnyy botanicheskiy sad AN SSSR.  
(Aburi—Botanical gardens)

LAPIN, P.I.

Introducing plants in the Main Botanical Garden. Biul.  
Glavn. bot. sada no. 40:3-9 '61. (MIRA 14:10)

1. Glavnny botanicheskiy sad AN SSSR.  
(Plant introduction)

LAPIN, P.I.

Sukhumi session of the Council of the Botanical Gardens of the  
U.S.S.R. in 1960. Biul. Glav. bot. sada no.41:115-119 '61.  
(MIRA 14:11)

1. Glavnnyy botanicheskiy sad AN SSSR.  
(Cocoa) (Cactus) (Botanical research)

LAPIN, P.I.; KOROVIN, S.Ye.

First Indian-Soviet botanical expedition. Biul. Glav. bot.  
sada no.41:123-125 '61. (MIRA 14:11)

1. Glavnnyy botanicheskiy sad AN SSSR.  
(India—Botany)

LAPIN, P.I.

Prospects for the landscaping of the capital. Gor. Khoz. Most. 35  
no.2:5-8 F '61. (SMA 14:2)

1. Predsedatel' Dobrovol'nego obshchestva sodeystviya ozeleneniyu  
Moskvy. (Moscow--Landscape gardening)

JAPIN, P.J.

Introducing plants in the Main Botanical Garden. Biul.  
Glav. bot. sada no. 40-3-9 '61. (MIRA 14:10)

1. Glavnnyy botanicheskiy sad AN SSSR.  
(Moscow. Plant introduction)

LAPIN, P.I.; BYLOV, V.N.

Zonal testing of a new Dutch tulip in the U.S.S.R. Biul. Glav. bot.  
sada no.44:19-23 '61. (MIRA 15:2)

1. Glavnnyy botanicheskiy sad AN SSSR.  
(Tulips)

LAPIN, P.I., kand.biolog.nauk; KOROVIN, S.Ye., kand.biolog.nauk

Indian-Soviet botanical expedition. Vest. AN SSSR 32 no.1:103-109  
Ja '62. (MIRA 15:1)  
(India--Botany)

LAPIN, P.I., inzh.

Planning the grading of irrigated lands to obtain an inclined surface. Gidr. i mel. 15 no. 5:9-15 My '63. (MIRA 16:6)

1. Sredneaziatskiy institut proyektirovaniya irrigatsionnykh sistem.  
(Grading(Earthwork))

LAPIN, P.I.

Let's increase the vegetative resources of our country. Biul. Glav.  
bot..sada no.50:3-11 '63. (MIRA 17:1)

LAPIN, P.I.

Contribution of the botanical gardens of the U.S.S.R. to the cause of  
landscaping in cities and populated places. Biul. Glav. bot. sada no.51:  
3-11 '63. (MIRA 17:2)

1. Glavnnyy botanicheskiy sad AN SSSR.

TSITSIN, N.V., akademik, otv. red.; BYLOV, V.N., red.; VERZILOV,  
V.F., red.; KUL'TIASOV, M.V., red.; LAPIN, P.I., red.;  
MALYGIN, Yu.N., red.; OGOLEVETS, G.S., red.; SUKHORUKOV,  
K.T., red.; CHERKASSKIY, Ye.S., red.; SAFONOV, V.I., red.

[Evolutionary biochemistry of plants] Evoliutsionnaia bio-  
khimiia rastenii. Moskva, Izd-vo "Nauka," 1964. 142 p.  
(MIRA 17:4)

1. Moscow. Glavnyy botanicheskiy sad.

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LAPIN, P. I.

In the Central Botanical Garden of the Ukrainian Academy, Vest.  
AN SSSR 34 no. 9:150-151 S '64. (NIRA 1740)

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LAPIN, P.M.

PHASE I BOOK EXPLOITATION

SOV/5580

Golubev, T.M., Doctor of Technical Sciences, Professor, and I.P. Tartakovskiy,  
Candidate of Technical Sciences, Docent, eds.

Avtomatizatsiya kholodnohtampovochnogo proizvodstva (Automation of Cold [Metal]  
Stamping Production) Moscow, Mashgiz, 1961. 282 p. 6,000 copies printed.

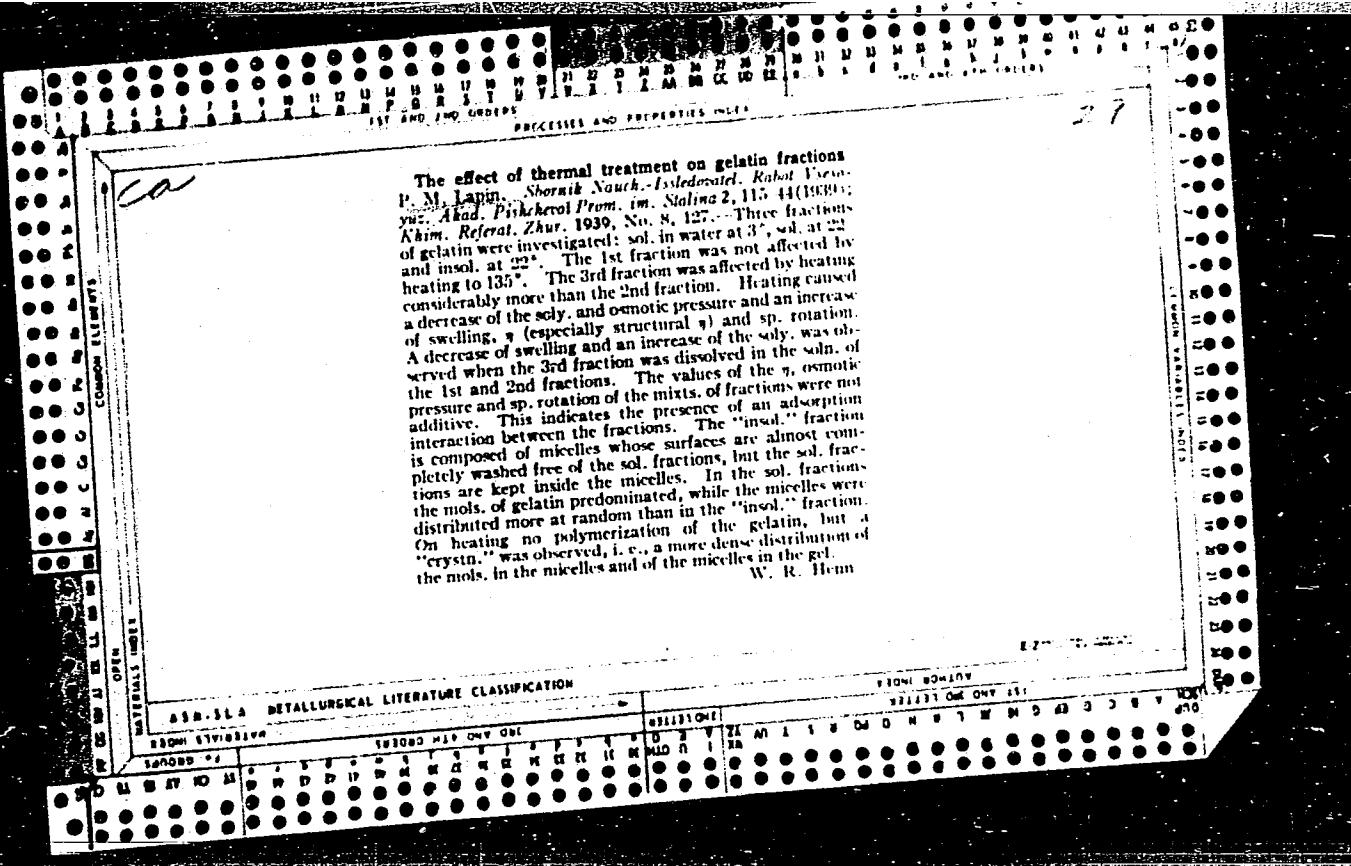
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mashinostroitel'noy promyshlennosti. Kiyevskoye oblastnoye pravleniye.  
Nauchno-tehnicheskoye obshchestvo priborostroitel'noy promyshlennosti.  
Ukrainskoye respublikanskoye pravleniye.

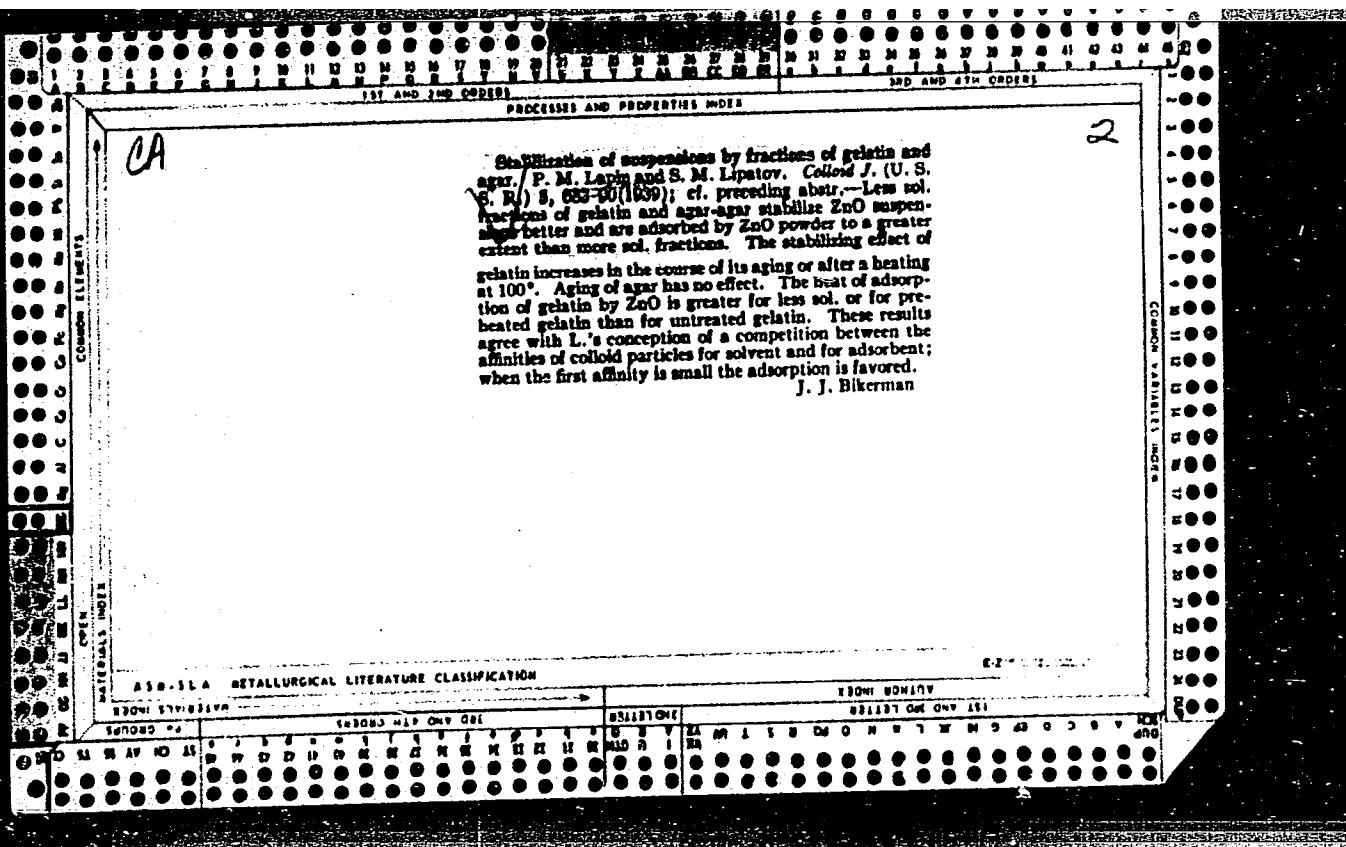
Ed.: M.S. Soroka; Tech. Ed.: M.S. Gornostaypol'skaya; Chief Ed.: (Southern  
Dept. Mashgiz): V.K. Serdyuk, Engineer.

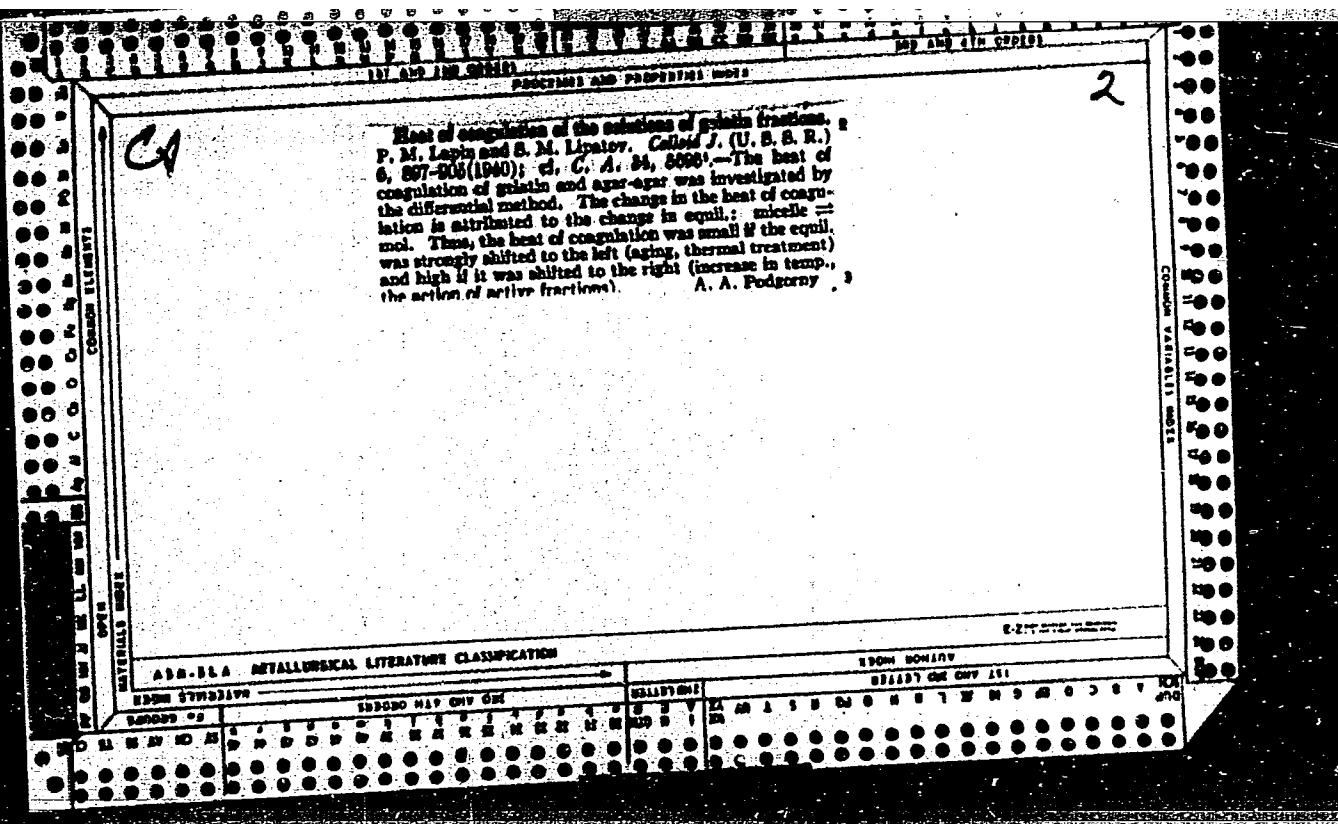
PURPOSE: This collection of articles is intended for workers at machine and  
instrument plants and scientific research and design institutes.

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Automation of Cold [Metal] Stamping Production	SOV/5580
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Romanovskiy, V.P. Automation of Stamping Processes at Leningrad Plants	27
Lapin, P.M. Mechanization and Automation of Stamping Operations (From Factory Practice)	40
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LAPIN, P.M.

U.S.S.R.

Effect of various factors on lyophilic colloids. P. M. C.  
Lapin. Nezh. Trudy Muzek. Znach. Promst. 1954,  
1955, No. 1, 100-90; Referat. Zhur., Khim. 1954, No.  
33971.—A review of L.'s work previously published on the  
properties of lyophilic colloids. The review is divided into  
the following sections: (1) effect of ultra-high frequency cur-  
rents, (2) effect of highly dispersed fractions, (3) effect of  
urea on the phys.-chem. properties of gelatin, (4) effect of  
high temps., (5) effect of low temps., (6) effect of ultra-  
violet rays, (7) effect of solvent on the properties of acetyl-  
cellulose, (8) effect of aging on thickening, and (9) dielec-  
tric const. of gelatin fractions and its change under the influence  
of various factors. M. Hach

LAPIN, P.M.

3

USSR

Gelling of lyophilic colloids and the effect of various factors on it. P. M. Lapin. *Trudy Vsesoyuz. Tekhnicheskogo Inst. Relyativ. Promst. Khim.* 1953, No. 5, 123-48; *Referat. Zhur. Khim.* 1954, No. 35972; cf. preceding abstr. M. Basch.

Agnew

*Lipatov, PM*

Nature of the solutions of high-molecular-weight compounds that are involuntarily soluble. P. M. Lipatov. *Zhur. Nauch. Politek. Inst. Nauch. Trudy*, 27 (1955); *C.A.* 49, 9355e. A review and amplification are given of the work of Lipatov and the other Russians (cf. *C.A.* 32, 6027<sup>a</sup>; 34, 923<sup>b</sup>; 5690<sup>c</sup>) on the properties of gelatin and agar-agar solns. Gelatin was sepd. into 3 fractions (I, sol. at 3°; II, sol. at 22°; and III, not sol. at 22°) by leaching, decantation, and drying of the supernatant solns. and final residue to const. wt. Agar-agar was similarly sepd. into fractions sol. at 3°, 22°, 45°, and not sol. at 45° (IV-VII, resp.). The mols. of the more-sol. fractions are believed to be only slightly assoc., whereas the particles present in the less-sol. fractions are micellar aggregates. The basic mols. are presumed to be identical, since they give the same amt. of N in the Van Slyke amino acid detn. (gelatin) or Cu<sub>2</sub>O with Fehling soln. (agar-agar). Also the total no. of polar groups is the same, since I, II, and III produce no further heat on soln. after absorption of 0.27 g. H<sub>2</sub>O/g. This is considered to be a measure of the "true" hydration by the polar groups. The mols. are assoc'd through their nonpolar portions, since the dielec. consts. of I, II, and III are the same at different concns. and that of III varies with temp. parallel to that of H<sub>2</sub>O and not in the manner characteristic of dipolar assoc. A distinction among lyophilic substances is made between those spontaneously sol. to form dilute, true solns. (nitrocellulose in Me<sub>2</sub>CO) and those (VIII) that form micellar, colloidal solns. at the temp. and in the solvent concerned. The latter are spoken of as involuntarily sol. The external surfaces of the micelles present

*Chem*

Lapin P.M.

in VIII are considered largely nonpolar (at least for ZnO solns.) even though the total no. of polar groups and the max. true hydration are the same. The micelles swell by osmotic absorption of H<sub>2</sub>O. This osmotic hydration is shown by the differences in osmotic pressure and viscosity among the fractions, and for gelatin disappears at 60° with the breakdown of the micelles. As would be expected, the presence of I or II or of IV or V in the fluid surrounding the micelles of III or VI and VII, resp., cuts down the osmotic hydration and so the swelling. The presence of the dispersed fractions also leads to breakdown (peptization) of the micelle with decreased viscosity and osmotically detd. av. mol. wt. Heating in the dry state, exposure to ultraviolet light, or to high-frequency elec. fields increases the micellar pattern. This is evidenced by a decreased solv., an increased heat of gelation, a decreased speed of diffusion of K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> through the gel, an increase in the ability to stabilize ZnO sols, a decreased heat of coagulation by alc., and an increase in optical rotation. The micellar solns. are not in equil., the micellar pattern increases on aging, as is shown by the change in viscosity, K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> diffusion rate, ZnO-sol stabilization, heat of coagulation, and optical activity. J. H. S.

1/2

PM 20/1

ALEKSEYEV, A.A., inzhener, redaktor; ASHKENAZI, K.M., doktor tekhnicheskikh nauk, redaktor; GRABOVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; GORRACHEV, A.N., kandidat tekhnicheskikh nauk, redaktor; IVANOV, S.N., kandidat tekhnicheskikh nauk, redaktor; LAPIN, P.S., kandidat tekhnicheskikh nauk, redaktor; NEFENIEV, N.N., doktor tekhnicheskikh nauk, redaktor; PUZYREV, S.A., kandidat tekhnicheskikh nauk, redaktor; KYUKHIN, N.V., kandidat tekhnicheskikh nauk, redaktor; FLYATE, D.M., kandidat tekhnicheskikh nauk, redaktor; SHAPIRO, A.D., kandidat tekhnicheskikh nauk, redaktor; ELIASBERG, M.G., kandidat tekhnicheskikh nauk, redaktor; KHUDYAKOVA, A.V., redaktor; VOLKHOVER, R.S., tekhnicheskiy redaktor.

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1949, No. 4. C. 36-40.- Bibliogr: S. 40.

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"Prognosis of Upper Thoracoplasty,"

Tuberculosis Sanatorium, All-Union Cent. Council of Trade Unions, No. 1, im V.I. Lenin

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Significance of bronchial pathology in surgery of pulmonary  
tuberculosis. Probl. tuberk., Moskva no.4:59-64 July-Aug  
1951. (CIML 21:1)

1. Of Moscow Municipal Scientific-Research Tuberculosis  
Institute (Director -- Prof. V. L. Eynis; Head of Pulmonary  
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Thoracoplasty with preoperative drainage of cavern; preliminary note. Probl. tub. no. 3:39-42 My-Je '54. (MLEA 7:11)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo tuberkulez-nogo instituta (dir. prof. V.L.Eynis, zav. khirurgicheskim otdele-niyem prof. S.I.Lapin)

(COLLAPSE THERAPY,  
thoracoplasty with preliminary drainage)

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Forty years of the development of surgery in pulmonary tuberculosis in the  
USSR. Khirurgia 34 no. 12:101-106 D '58. (MIR 12:1)  
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in Russia, review (Rus))

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Lapin, S. K.

"Morphological changes of the intervertebral nodes, spinal cord, and sympathetic portion of the nervous system in hypertonic disease."  
First Moscow Order of Lenin Medical Inst. Moscow, 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

USSR / Morphology of Man and Animals. Nervous System.

S-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21675

Author : Lapin, S. K.

Inst : Not given

Title : Pathologic Morphology of Sympathetic Spinal Ganglia and  
the Spinal Cord in Human Hypertension and in Experiment.

Orig Pub : Tr. l-go Mosk. med. in-ta, 1956, 1, 19-30.

Abstract : A study was made of the superior and the middle cervical,  
stellate and inferior thoracic ganglia of the sympathetic  
trunk bilaterally, the spinal ganglia of the superior and  
inferior thoracic segments of both sides as well as of  
the same levels of the spinal cord in hypertension (13  
observations), chronic nephritis (2 observations) and in  
experimental renal hypertension in dogs caused by wrapping  
the kidneys in cellophane (2 observations). Sharp dystro-  
phic changes in the neurons accompanied by necrosis of the  
ganglion cells and disintegration of the neural conductors

Card 1/3

7

USSR / Morphology of Man and Animals. Nervous System.

S-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21675

Abstract : were observed. In addition to this, compensatory and regenerative processes developed; the neurons underwent an amitotic division. In chronic nephritis the changes were less pronounced; even less pronounced changes and readily reversible alterations were revealed in sympathetic and spinal ganglia, and in the spinal cord during experimental renal hypertension in dogs. Visceroceptor conductors and autonomic ganglia of the spinal cord are more injurable. Efferent preganglionic fibers were involved in pathologic processes later. Postganglionic conductors were preserved for a long time. Thin fibers retained a normal structure in experimental hypertension. Among the sympathetic ganglia, destructive processes were most pronounced in stellate ganglia. No direct relationship was found between the height of arterial

Card 2/3

USSR/Human and Animal Morphology (Normal and Pathological)  
Peripheral Nervous System

S-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55117

Author : Lapin S.K.

Inst : ~~Not Given~~

Title : Certain Characteristics of Damage to the Peripheral Nerve  
Nodules and to the Spinal Cord in Hypertonic Disease.

Orig Pub : Arkhiv patologii, 1956, 18, No 7, 29-35

Abstract : A study was made of cervical and thoracic nodules of the sympathetic trunk, of intervertebral nodules, and finally of the lower and upper segments of the thoracic cord in 13 hypertonic disease cases. Numerous stereotypic changes within the neuron arc were detected, such as swelling of the nerve cells, accompanied by a central and total chromatolysis with destruction of the cells; hydropic dystrophy and lipofuscinous pigmentation of the cells; varicosc bulges, fragmentation and decay of myelinated nerve fibers; changes in the synaptic apparatus. The dystrophic changes were accompanied

Cord : 1/2

USSR / Human and Animal Morphology, Normal and Pathological.  
Nervous System. Central Nervous System. S-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83640

Author : Strukov, A. I.; Lapin, S. K.

Inst : Not given

Title : Morphology of Compensatory-Accommodation Processes in the  
Nervous System

Orig Pub : Arkhiv Patologii, 1956, 18, No 8, 21-30

Abstract : A description is given of changes in the nerve fibers, den-  
drites, and in the corpus of the neuron in hypertension,  
chronic nephritis, tuberculosis, broncho-pneumonia, endo-  
carditis, and other diseases. There has been demonstrated  
spreading growth of nerve fibers, formation of paroxons, and  
extension, on this basis, of nerve connections, increased  
corpus of the neuron, presence of multinucleolar and multi-  
nuclear nerve cells (NC), the presence of neurosimplasts in

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USSR / Human and Animal Morphology, Normal and Pathological.  
Nervous System. Central Nervous System.

S-2

Abs Jour : Ref Zhurnal - Biol., No 18, 1958, № 83640

the peripheral nerve cells, the separating out of these nerve cells, and the increase of the Snesarev's substance. The bi-nuclear NC are observed in the spinal cord and the cerebrum, in the cervical sympathetic and intervertebral ganglia in children of different ages during pneumonia. The presence of bi-nuclear NC is looked upon as a manifestation of amitotic division and an index of physiological regeneration of the nervous system. In the case of hypertension, bi-nuclear and multi-nuclear NC were observed in the nodal ganglion, in the sympathetic and the intervertebral ganglia. The unlacing of the individual NC from the neurosimilasts originated during hypertension and during pneumonia. The view as to the incapacity of the nervous system as regards physiological and reparative regeneration, the stability of the neurons throughout one's whole life, is unfounded. In the

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16

ZOLOTAREV, I.I.; LAPIN, S.K.

Acute retention of urine in generalized reticulosarcomatosis.  
Urologiia 25 no.2:51-54 Mr.-Ap '60. (MIRA 13:12)  
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VASIL'YEVA, N.N., kand.med.nauk; LAPIN, S.K., kand.med.nauk; SEROV, V.V.,  
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med.nauk (Moskva).

Third All-Union Congress of Pathoanatomists. Arkh.pat. 21 no.10:  
(MIRA 14:8)  
85-94 '59. (ANATOMY, PATHOLOGICAL CONGRESSES)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R000928610015-9

LAPIN, S.K., assistant

Changes in the adrenal cortex in rheumatic fever. Trudy 1-gz  
(MIRA 18z2)  
MMI 22z121-130 '63

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R000928610015-9"

STRUKOV, A.I.; LAPIN, S.K. (Moskva)

Classification of changes in the peripheral nervous system and  
the morphological signs of compensatory adaptations; a reply  
to a discussion. Arkh. pat. 26 no.8:81-85 '64 (MIRA 18:2)

1. Kafedra patologicheskoy anatomii (zav. - chlen-korrespon-  
dent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina  
meditsinskogo instituta imeni Sechenova.

SUCHKOV, V.V.; LAPIN, S.K.; SHUVAYEV, V.V.; KOSHELEVA, L.V.; ZHAMNOV, Yu.Ya.

Expediency of using metal conductor prostheses for nerve trunks.  
Trudy 1-go MMI 42:119-128 '65. (MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMN SSSR i kafedra  
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instituta imeni Sechenova.

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Absorption capacity of the mucous membrane of the respiratory and  
gastrointestinal tracts. Vest. otorinolar., Moskva 14 no. 3:70-73  
May-June 1952.  
(CLML 22:4)

1. Docent for Lapin; Senior Scientific Associate for Umanskiy.
2. Of the Department of Ear, Throat, and Nose Diseases (Head -- Prof. L. L. Frumin), Ukrainian Institute for the Advanced Training of Physicians and of the Ukrainian Institute for Diseases of the Ear, Throat, and Nose, Khar'kov.

LAPIN, S. S.

Aug 48

USSR/Mining

Iron Ore

Ore Deposits

"Special Features of the Tectonics of the Kondom Group of Deposits," G. L. Pospelov,  
S. S. Lapin. 5 pp

"Gorn Zhur" No 8

Discusses structural studies of the Tashtagol and Sheregeshev deposits. Investigated  
causes of mine shaft deformation in the Kondom Group of iron ore deposits. Stresses  
significance of flexure-fault structure in analyzing these areas. Shows several sketches  
of deposits investigated.

PA 61/49T75

LAPIN, S. S.

8

✓ Forms of manifestations of relict carbonates in some  
skarn-iron ore deposits of Gornaya Shoria. S. S. Lapin.  
*Zemel. Akad. SSSR, S.R., Ser. Geol. 1954, No. 2, 111-24.*  
—A report discussing (1) forms connected with certain  
skarn-Fe ore deposits, of Gornaya Shoria in Western Siberia,  
lying among silicate strata with limestones, and (2) the  
forms of manifestations of relicts of primary carbonates in  
metasomatic ore bodies. Gladys S. Macy.

REC'D  
8/31/01

LAPIN, S.S.

Fracture tectonics and its effect on mining. Trudy Gor.-geol.  
inst.zap.-Sib.fil.AN SSSR no.17:117-140 '56.  
(MIRA 13:5)  
(Gornaya Shorya--Faults(Geology))

LAPIN S.S.

PAGE 1 BOOK EXPERTISE

REV/2172

315)

Abzolya nats. issns. Naukovedcheskiye perevodya isslyayu po tseliam

Nauchno-tekhnicheskaya literatura Altay-Sayan Mountain Region, Vol. 1,  
Gosudarstvennye i vnesotsionnye faksimile Deposits of the Altay-Sayan Mountain Region, Vol. 1,  
Book 12 (Geology) Novosibirsk, 1954, 350 p. (series) 2,500 copies printed.  
Naukovedcheskiye SSSR. Ertsa i slants. 2,500 copies printed.

Author and sponsoring Agencies: Akademicheskaya Nauka SSSR. Glazhkov Olegovich, M.N.  
Osnovatelskiye plannovye tsentraly. Glazhkov Olegovich, M.N. Naukovedcheskiy  
Tsentr i proektoviy organizatsiya. Glazhkov Olegovich, M.N. Naukovedcheskiy  
Tsentr i obshchii nauch. tsentr. Zapado-Sibirskiy geologicheskiy ogranichennyi  
univ. Kraevedcheskiy geologicheskiy ogranichennyi. Sibnauk. geologicheskiy trust.  
Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.

Title of the vol.: P. Te. Shchedrov, ed. G.I. Sobolov. Zap. M. o Sertse. I.P.  
Nauk. Akademicheskaya Sistemika. I.P. Barilov, ed. T. Gerasimova, M.I.  
A. Borkis, N.A. Yerofeeva, A.S. Kulinich, M.I. Popovskiy, M.I.  
Shcheglov, P. Te. Shchedrov, S.G. Svetrenko-Vernik (Pisces). G.I. Sobolov,  
S.A. Gremadina, Andercina, V.V. Khlebnikov, M.A. Chirkova, and I.B. Smirnov.  
M. o Publishing House: I.O. Naukovaia. Tech. Ed.: I.P. Nasim.

Promiss: This book is intended for structural, exploration and mining geologists,  
geochemicalists and mineralogists, and industrial planners.

Comments: This work purports to be the first attempt to review and summarize all  
the material that has been published on the ironore deposits of the Altay-  
Sayan mountain oblast during the last 20 years. This area, the work reports, is  
not becoming one of the most important iron-ore bases in the Soviet Union.  
The book discusses the economic aspects of the geography and geology of the  
individual deposits, presents a qualitative and quantitative (as of January 1,  
1957) analysis of ore reserves, and evaluates the prospects and possibilities  
of further development of the Altay-Sayan mountain base. The genetic  
characteristics of iron-ore mineralization of the area are described. Extensive  
information on the geology of individual deposits, complexes, and regions is  
provided, and a general mineralogical description of ore mineralization in the Altay  
mountain region is given. There is a historical account of the exploration  
and development of the region, and of the development of concepts on the genesis  
and development of the region. The following scientists participated in the  
preparation and writing of this volume: G.I. Popovskiy, G.I. Naukovaia, M.I. Tsil'pone,  
V.M. Elizarov, O.O. Klim, and V.A. Vakhruhev of the West Siberian Branch of  
the Academy; I.D. Shcheglov of the Permanent Interdepartmental Committee on Iron-  
ore Deposits; V.A. Stepanov of the Siberian Geophysical Trust;  
V.A. Bartschik, I.B. Nasim, M.A. Garkusha, Yu. A. Spiry, M.I. Belov, etc.;  
V.A. Berzitskii, O.P. Myro, M.I. Nikopor, and L.G. Savchenko of the West Siberian  
Geological Administration; V.F. Medvedev, A.S. Alaufabekov, and F. Ya. Pan of the  
Krasnoyarsk Geological Administration; M.G. Rudnikov, E.A. Tikhonov, etc.;  
Berdiansk Geodetic Station; G. Te. Sverdlikov, and A.D. Prodromiduk of the West Siberian  
Geodetic Survey; Chernomordychev, P.A. Lysenko, T.I. Labinsky, T.Ia.  
Kazantsev, A.I. Matsumoto, and R. Miyazaki of the Siberian Geophysical Trust;  
A.I. Slobodchikov, A.I. Matsumoto, and R. Miyazaki of the Minusinsk Expedition; V.A. Kisin  
of the Mining Administration of the Kuznetsk Metallurgical Combine; B.S. Nizhni  
Uralsk Polytechnic Institute; I.Y. Darchler of the Silnogorskoria Trust;  
V.O. Koch of the Siberian Metalurgical Institute. There are 103 diagrams,  
including invent. maps and 10 tables. There are 271 references, all Soviet.

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LAPIN, S.S.

Features of iron distribution in the magnetite deposits of Gornaya Shoriya. Izv. Sib. otd. AN SSSR no.6:36-45 '58. (MIRA 11:9)

1.Zapadno-Sibirskiy filial AN SSSR.  
(Gornaya Shoriya--Magnetite)

LAPIN, S.S.

Using the magnetic susceptibility of rocks and magnetite ores  
in structural mapping of iron ore deposits. Geol. i geofiz.  
no.5:84-96 '60. (MIRA 13:9)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.  
(Gornaya Shoriya---Iron ores---Maps)  
(Sayan Mountains---Iron ores---Maps)  
(Rocks--Magnetic properties)

POSPÉLOV, G.L.; KAUSHANSKAYA, P.I.; LAPIN, S.S.

Genesis of vein-type and breccia-type mineral formations outside  
fissures. Geol. rud. mestorozh. no.2:45-56 Mr-Ap '61.  
(MIRA 14:5)

1. Sibirskoye otdeleniye AN SSSR.  
(Mineralogical chemistry)

LAPIN, S.S.; SHARAPOV, V.N.

Genesis of the Abakan iron ore deposit (Western Sayan Mountains).  
Geol. i geofiz. no.4:36-51 '61. (MIRA 14:5)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,  
Novosibirsk.  
(Abakan region (Sayan Mountains).—Ore deposits)

S/169/62/000/009/004/120  
D228/D307

AUTHOR: Lapin, S. S.

TITLE: Rapid geophysical method of tentatively appraising iron (magnetic) ores directly at the face

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 8, abstract 9A34 (In collection: Uchenyye Sibiri-Kuzbassu, Kemerovo, 1961, 52-58)

TEXT: A hydromagneto-motor analyzer with a traveling magnetic field was made in order to determine the amount of magnetite when its concentration is low. For purposes of structural-geology mapping an improved model of the device was made in order to determine the magnetic susceptibility of situ, massive, and craggy rocks; it is called a penetration meter. The instrument's total measurement range is 0 - 2.0 CGSM. It can complete up to 1000 measurements in one hour. A level area on the rock surface, 25 mm in diameter, is needed for the measurements. Experimental work was carried out on the Tashtagol'skoye Deposit. The variation in the

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Rapid geophysical method ...

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magnetic susceptibility corresponds precisely to that of the section's geologic structure. An experimental relationship was found between the susceptibility's magnitude and the ore's iron content. It is possible from the magnetic susceptibility to distinguish blocks of different grades of ore directly at the face. The divergence with the data of chemical analysis does not exceed 3%. Using a penetration meter with another data-unit design, the quality of documentation for coreless boreholes can be considerably improved. / Abstracter's note: Complete translation. 7

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LAPIN, S.S.

Zonal distribution of iron oxides during the formation of iron ore  
metasomatic bodies on limestones. Geol. i geofiz. no.11:49-59 '64.  
(MIRA 18:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,  
Novosibirsk.

SHARAPOV, V.N.; LAPIN, S.S.

Effect of the composition of displaceable rocks on the distribution  
of iron in the ore bodies of some metasomatic deposits in the Altai-  
Sayan. Geol. rud. mestorozh. 7 no.1;23-36 Ja-F '65. (MIRA 18:4)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR,  
Novosibirsk.

ACC NR: AP6029746

SOURCE CODE: UR/0210/66/000/005/0100/0113

AUTHOR: Lapin, S. S.

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(Institut geologii i geofiziki, Sibirskogo otdeleniya, AN SSSR)

TITLE: On possible cases of inverse polarity in thermally magnetized mountain rocks  
(experimental data)

SOURCE: Geologiya i geofizika, no. 5, 1966, 100-113

TOPIC TAGS: mineralogy, rock magnetization, ferromagnetic material, Curie point,  
tectonics, magnetization, mineral, Q factor

ABSTRACT: Results of model experiments on the process of inverse magnetization in  
thermally magnetized rocks in the course of successive intrusion of one rock into  
another are given. It is shown that inverse magnetization is possible even in the  
presence of one ferromagnetic component and when magnetic susceptibility of rocks  
is  $K < 0.01$ . The author points out that both phases may possess the same Curie  
point and the same coercive force, but the Q factor of the first phase is higher  
than that of the second phase. The data of the experiments and the possibility of  
their comparison with natural conditions are discussed. Orig. art. has: 7 tables  
and 3 figures.

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Card 1/1 UDC: 550.89+550.382.3

LAPIN, S.V. (Moskva)

Activity of Russian doctors in Mongolia in 1898 to 1914. Sov.  
zdrav. 21 no.6:72-76 '62. (MIRA 15:5)  
(MONGOLIA--MEDICAL ASSISTANCE, RUSSIAN)

LAPIN, T. I.

Important factors in the progressive organization of labor.  
Standartizatsiia 26 no.10:39-45 0 '62. (MIRA 15:10)

(Standardization)